

Attorney Docket No.: 42P23570

Patent

First Named Inventor: Mikhail Lyakh**Check One:**

☒ Declaration Submitted with  
Initial Filing OR  
☐ Declaration Submitted After  
Initial Filing (Surcharge under  
37 C.F.R. § 1.16(e) Required).

**Complete If Known:**

Application No.: \_\_\_\_\_  
Filing Date: \_\_\_\_\_  
Art Unit: \_\_\_\_\_  
Examiner Name: \_\_\_\_\_

**DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION**  
**(FOR INTEL CORPORATION PATENT APPLICATION)**

**I hereby declare that:**

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TECHNIQUES TO COMPRESS MODULATION PATTERNS FOR ADAPTIVE BITLOADING

(Title of the Invention)

the specification of which

☒ is attached hereto OR  
☐ was filed on (MM/DD/YYYY)  
as United States Application Number \_\_\_\_\_  
or PCT International Application Number \_\_\_\_\_  
and was amended on (MM/DD/YYYY) \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			<u>Priority Claimed?</u>		<u>Certified Copy Attached?</u>	
<u>PCT/CN2006/000XXX</u> (Number)	<u>PCT - RUSSIA</u> (Country)	<u>4/26/2006</u> (Foreign Filing Date - MM/DD/YYYY)	<u>X</u> Yes	No	<u>X</u> Yes	No
<u>                    </u> (Number)	<u>                    </u> (Country)	<u>                    </u> (Foreign Filing Date - MM/DD/YYYY)	<u>          </u> Yes	No	<u>          </u> Yes	No
<u>                    </u> (Number)	<u>                    </u> (Country)	<u>                    </u> (Foreign Filing Date - MM/DD/YYYY)	<u>          </u> Yes	No	<u>          </u> Yes	No

### Appointment of Patent Practitioners:

I hereby appoint the patent practitioners associated with the **Customer Number 45209** as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

If this patent application is assigned, then the undersigned hereby authorizes the patent attorneys and patent agents named herein to accept and follow instructions from the assignee(s) as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the patent attorneys and patent agents and the undersigned. In the event of a change in the persons from whom instructions may be taken, at least one patent attorney or patent agent named herein will be so notified by the undersigned.

**Direct all correspondence to (check one):**

X Customer Number 08791 OR


**Correspondence Address Below:**

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**NAME OF SOLE OR FIRST INVENTOR:** ☐ A petition has been filed for this unsigned inventor

Full Name: Mikhail Lyakh  
(Given Name (First and Middle [if any]), Family Name (or Surname), and Suffix [if any])

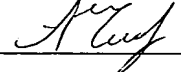
Inventor's Signature  Date 5/3/06

Residence Russia Citizenship Russia  
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**NAME OF SECOND INVENTOR:** ☐ A petition has been filed for this unsigned inventor

Full Name: Aliaksei Chapyzhenka  
(Given Name (First and Middle [if any]), Family Name (or Surname), and Suffix [if any])

Inventor's Signature  Date 5/3/06

Residence Russia Citizenship Belarus  
(City, State, Country) (Country)

Mailing Address App. 122, 101 Budapeshtskaya str., SPb, Russia

**NAME OF THIRD INVENTOR:** ☐ A petition has been filed for this unsigned inventor

Full Name: \_\_\_\_\_  
(Given Name (First and Middle [if any]), Family Name (or Surname), and Suffix [if any])

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
(City, State, Country) (Country)

Mailing Address \_\_\_\_\_